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A Selection of Papers

M VAN GESTEL, J N LADD & M AMATO (Australia), Carbon and nitrogen mineralization from two soils of contrasting texture and microaggregate stability: influence of sequential fumigation, drying and storage.

C P CHANWAY & L M NELSON (Canada), Tissue culture bioassay for plant growth promoting rhizobacteria.

A VERMA & M K K PILLAI (India), Bioavailability of soil-bound residues of DDT and HCH to certain plants.

D J ROIGER, S N JEFFERS & R W CALDWELL (USA), Occurrence of *Trichoderma* species in apple orchard and woodland soils.

R LENSI, C LESCURE, C STEINBERG, J-M SAVOIE & G FAURIE (France), Dynamics of residual enzyme activities, denitrification potential, and physico-chemical properties in a y-sterilized soil.

V WOLTERS (Germany), Biological processes in two beech forest soils treated with simulated acid rain—a laboratory experiment with *Isotoma tigrina* (Insecta, Collembola).

Indexed/Abstracted in: *Current Awareness in Biological Sciences (CABS), Curr Cont ASCA, Aqua Abstr, CAB Inter, Cam Sci Abstr, Curr Cont/Agri Bio Env Sci, Environ Per Bibl, Curr Cont Sci Cit Ind, Curr Cont SCISEARCH, BIOSIS Data, Geo Abstr, PASCAL—CNRS Data*

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In this review journal, biotechnology is viewed in a comprehensive context: a multidisciplinary field in which biological systems are developed and/or used for the provision of commercial goods or services. The journal is devoted to all areas of biotechnology including relevant aspects of its disciplinary underpinnings in biology, chemistry and engineering. The primary purpose is to provide regular, rapid but authoritative reviews of important advances in this field for students, researchers, managers and others in industry, government and academia. A timely series of research review papers, patent abstracts and summaries of special government reports on the principles and practices of biotechnology will be covered quarterly. The patent abstracts and government report summaries are selected by the Executive Editor. The review papers are generated from refereed manuscripts.

A Selection of Papers
W R TOLBERT (USA), Manufacture of biopharmaceutical proteins by mammalian cell culture systems.
N F GORDON, C M V MOORE & C L COONEY (USA), An overview of continuous protein purification processes.
S E BUCHOLZ & D E EVELEIGH (USA), Genetic modification of *Zymomonas Mobilis*.
J M LYNCH (UK), Beneficial interactions between microorganisms and roots.
Y MUROOKA (Japan), Genetic design for product formation in recombinant microbes.
J JANECEK & Z DOBROVA (Czechoslovakia), Protein phosphorylation in microorganisms.

A New Patents section is included in this journal.

Indexed/Abstracted in: *Current Advances in Biological Sciences (CABS), Curr Cont ASCA, BIOSIS Database, CAB Inter, Cam Sci Abstr, Curr Biotech Abstr, Chem Abstr Serv, Curr Cont/Agri Bio Env Sci, Curr Cont Ind Sci Rev, Oper Res Manage Sci, Curr Cont Sci Cit Ind. Curr Cont SCISEARCH Data*

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K MENGEL, M TH BREININGER & H J LUTZ (Germany), Effect of simulated acidic fog on carbohydrate leaching, CO_2 assimilation and development of damage symptoms in young spruce trees (*Picea abies* L. Karst).
E MARCO, F MARTINEZ & M I ORUS (Spain), Physiological alterations induced by the organophosphorus insecticide trichlorfon in *Anabaena* PCC 7119 grown with nitrates.
J GARTY & N BINYAMINI (Israel), Establishment of pioneer litho-microorganisms on chalk rocks after a severe forest fire in Israel.
K WIGNARAJAH (USA), Growth response of *Phaseolus vulgaris* to varying salinity regimes.
Y N BEHERA & B BISWAL (India), Leaf senescence in fern: effect of duration, intensity and quality of light.
C P WEST, D M OOSTERHUIS & S D WULLSCHLEGER (USA), Osmotic adjustment in tissues of tall fescue in response to water deficit.
F MURRAY & S WILSON (Australia), Yield responses of soybean, maize, peanut and navy bean exposed to SO_2, HF and their combination.
R D MACLEOD (UK), Lateral root primordium inception in *Zea mays* L.
M GHAZI & G A MYERS (USA), The action of steroidal alkaloids on the ground meristem tissue of the root axis of lettuce seedlings.

Indexed/Abstraced in: *Current Contents, CABS, BIOSIS Database, GEO Abstracts, GEOBASE, PASCAL/CNRS Database, Science Citation Index, INSPEC*
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* Plant Chemistry
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Papers which cut across these sections or which are on another aspect of plant biochemistry may be included.
Books are reviewed regularly.

A Selection of Papers
C H HOCART, D S LETHAM & C W PARKER (Australia), Substituted xanthines and cytokinin analogues as inhibitors of cytokinin *N*-glucosylation.
M TAKECHI & Y TANAKA (Japan), Structure-activity relationships of synthetic diosgenyl monoglycosides.
R A NORTON, D N RADIN & E RODRIGUEZ (USA), Morphogenetic influences on rubber content and molecular weight in tissue cultures of guayule.

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